

International Symposium on Probabilistic Fatigue & Fracture Approaches Applied to Materials and Structures

1. Symposium title

International Symposium on Probabilistic Fatigue & Fracture Approaches Applied to Materials and Structures (PFFA2018)

2. Organizers, including affiliations

Alfonso Fernández-Canteli (University of Oviedo, Spain)

Antonio Martín-Meizoso (University of Navarra-TECNUN, Spain)

Abílio de Jesus (University of Porto, Portugal)

José António Correia (University of Porto, Portugal)

Filippo Berto (Norwegian University of Science and Technology, Norway)

Miguel Muñoz-Calvente (University of Oviedo, Spain)

Shun-Peng Zhu (Institute of Reliability Engineering, China)

Dianyin Hu (Beihang University, China)

3. Corresponding organizer and contacts (e.g. e-mail, phone)

José António Correia

INEGI/Faculty of Engineering

University of Porto

Email: jacorreia@inegi.up.pt or sirel@fe.up.pt

4. Short description of the symposium including the scope and target public

The International Symposium on Probabilistic Fatigue & Fracture Approaches Applied to Materials and Structures (PFFA2018) will take place on the nice Porto city, Portugal, on 5-7 September 2018. PFFA2018 is organised by Faculty of Engineering of the University of Porto (FEUP) in cooperation with different research institution such as Norwegian University of Science and Technology (Norway), University of Oviedo (Spain), University of Navarra (Spain), Beihang University (China), and Institute of Reliability Engineering (China).

The goal of the International Symposium on Probabilistic Fatigue & Fracture Approaches Applied to Materials and Structures (PFFA2018) is to provide a platform to present the last researches on:

- Advance probabilistic models to design components
- Phenomenological approaches applied to Metallic Materials
- Probabilistic studies of reusing and increasing of useful life
- New probabilistic Fatigue and Fracture Mechanics approaches to characterize Metallic Materials
- Confidence intervals on Structural Integrity
- Concurrent failure types on experimental campaigns

PFFA2018 will be a perfect forum to discuss the last advances on Probabilistic and phenomenological studies relates the fracture and fatigue of metallic materials. It is expected contributions from engineers, scientists, consultants among others, allowing a very multidisciplinary discussion.

Selected papers of the PFFA2018 will be published in several international scientific journals have associated to our conference.

Please submit your work by email to [**jacorrea@inegi.up.pt**](mailto:jacorrea@inegi.up.pt) or [**sirel@fe.up.pt**](mailto:sirel@fe.up.pt) with subject **B-PFFA-ICMFM2018**.

ICMFM XIX

